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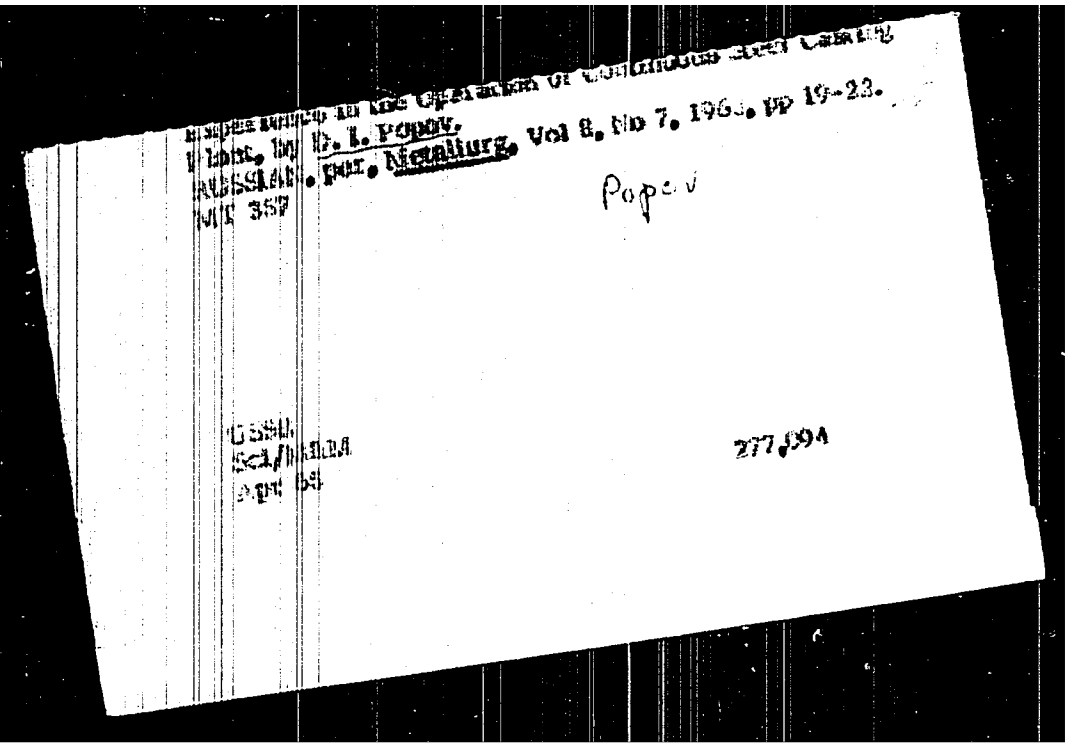

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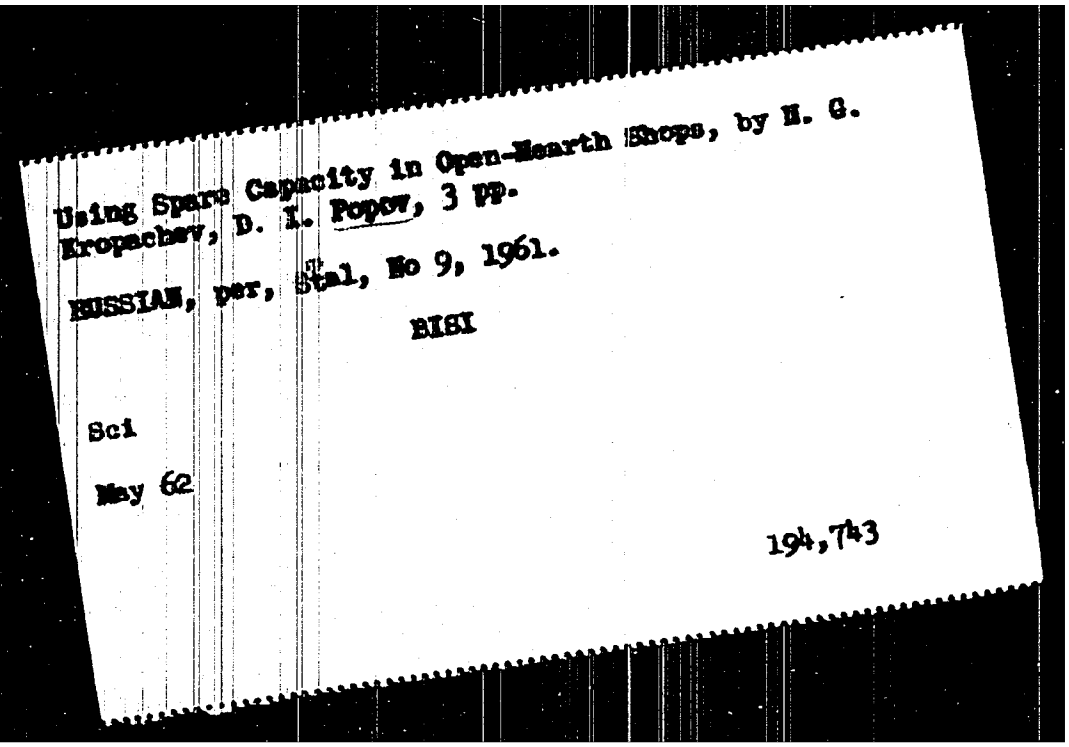

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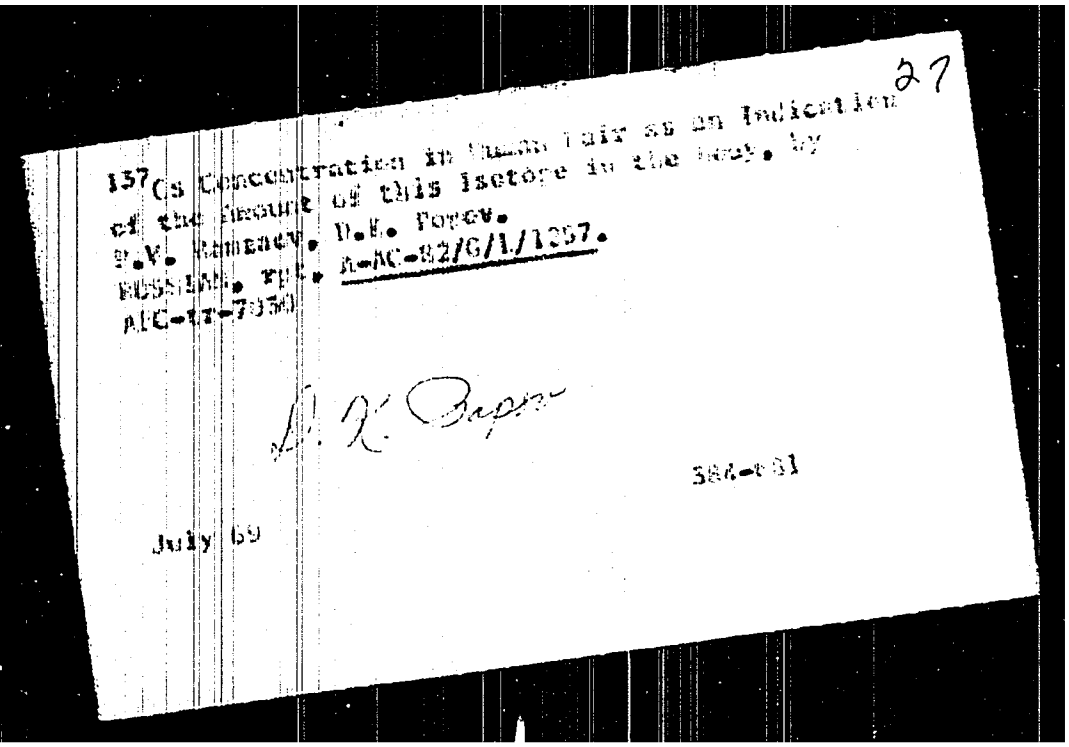

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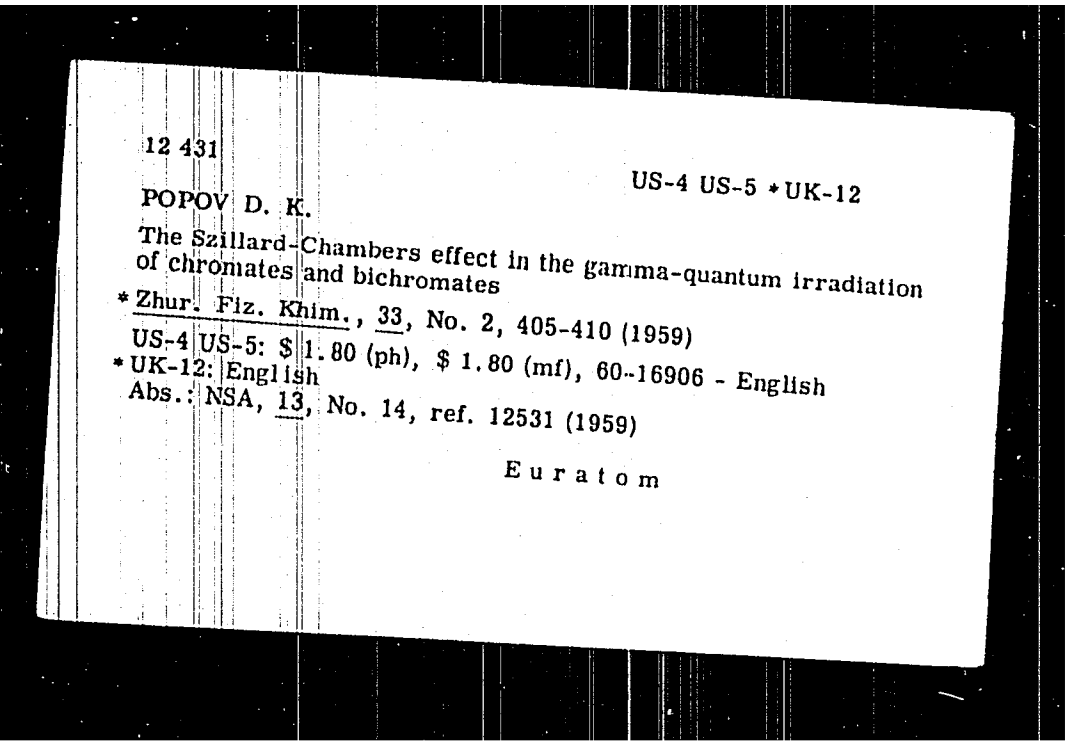

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US-4 US-5 *UK-12

POPOV D. K.

The Szillard-Chambers effect in the gamma-quantum irradiation of chromates and bichromates

*Zhur. Fiz. Khim., 33, No. 2, 405-410 (1959)

US-4 US-5: $ 1.80 (ph), $ 1.80 (mf), 60-16906 - English

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Trans. of Zhurn[al] Fiz[icheskoy] Khimii (USSR) 1959, v. 33 [no. 2] p. 405-410.

The possibility of concentrating Cr^{49} formed from the alkaline metal and ammonium chromates and bichromates in line with the reaction Cr^{50} (γn)Cr^{49} was demonstrated. The enrichment factor is greater than 10^4. The retention factor in the irradiated solid preparations depends upon the time passing from the dissolution of the salt and the isolation of the Cr^{49} on iron hydroxide, whereas on irradiating aqueous solutions the retention is always of zero value. On dissolution of the irradiated crystals the unstable valence forms of chromium are distributed between Cr^{3} and Cr^{6}. (Author)
(Nuclear Physics--Isotope Separation, TT, v. 5, no. 3)

60-16906

1. Chromium isotopes--Separation
2. Chromates--Effects of radiation
I. Popov, D. K.

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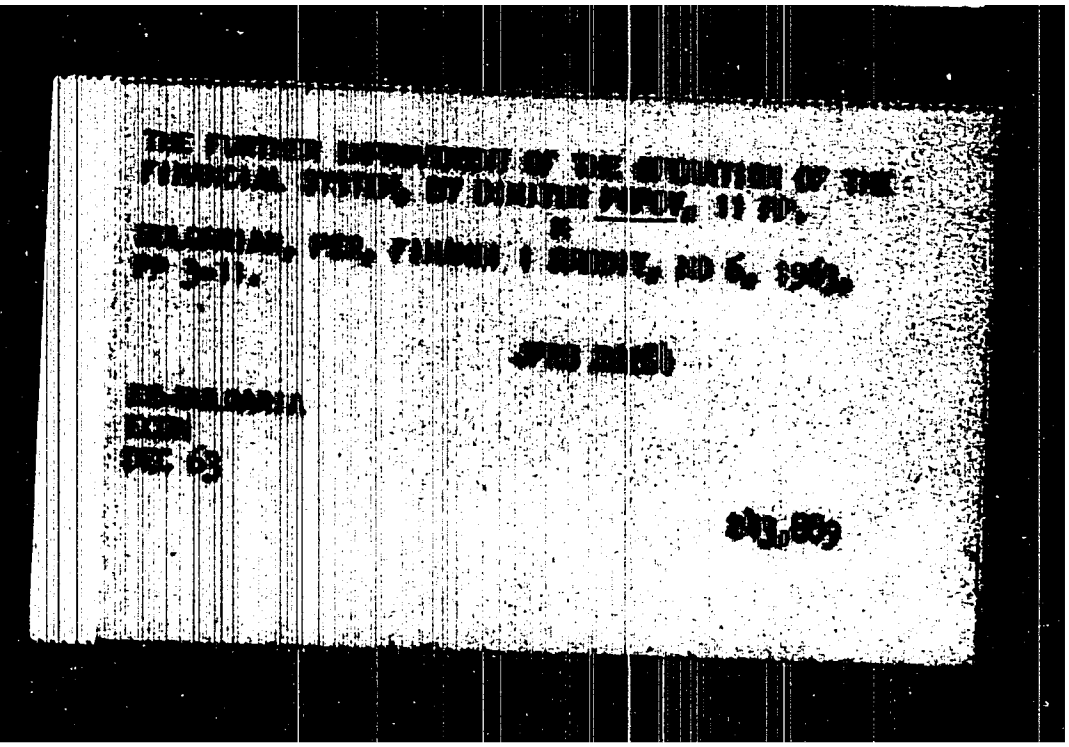

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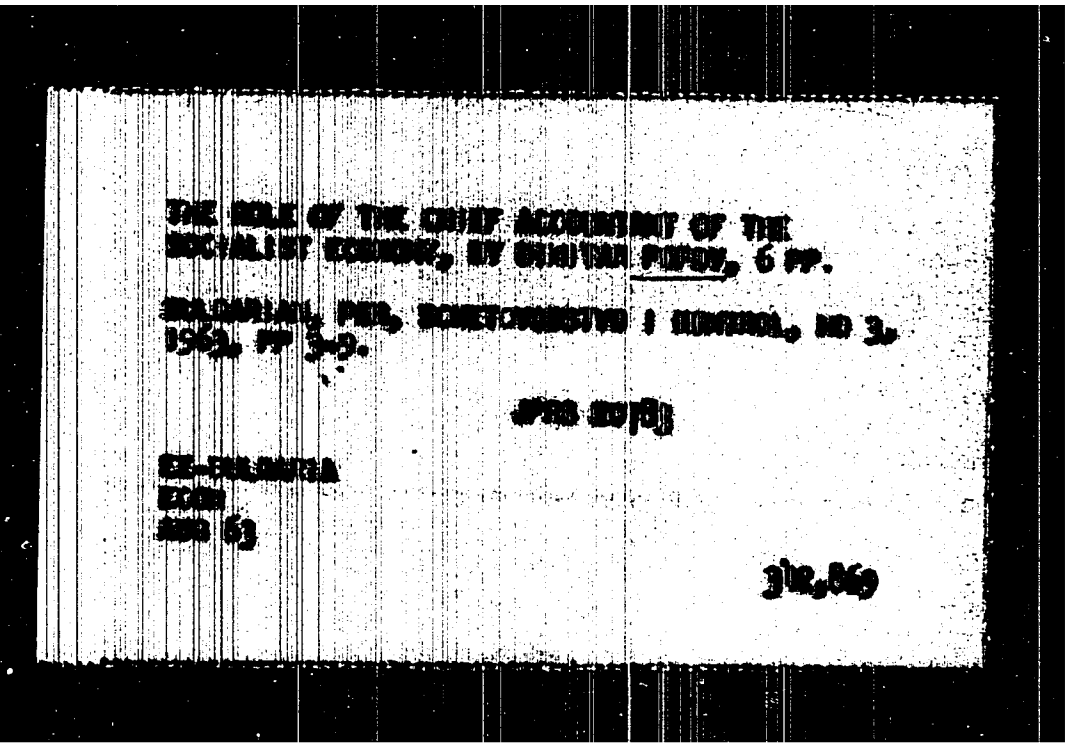

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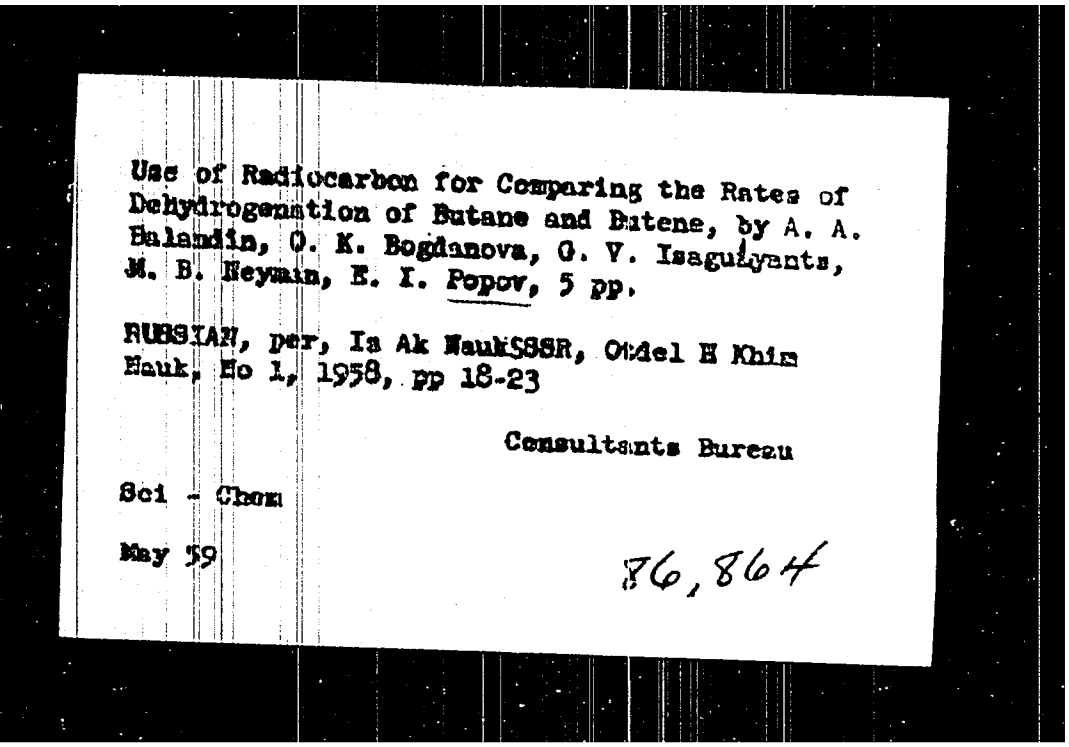

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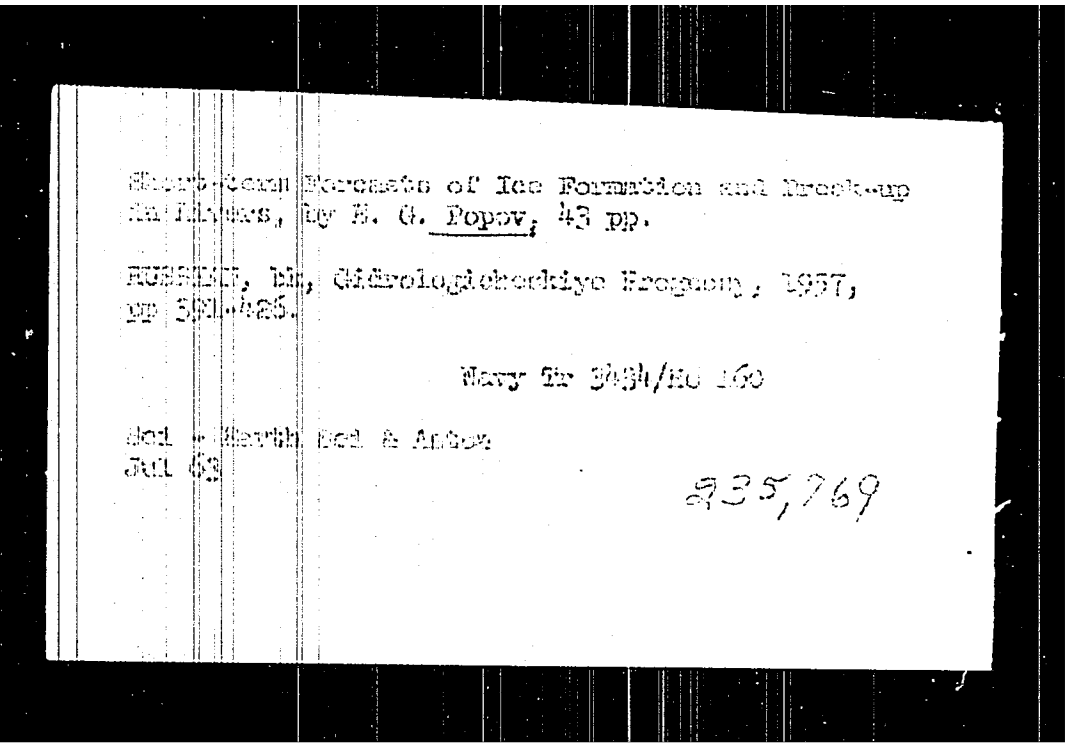

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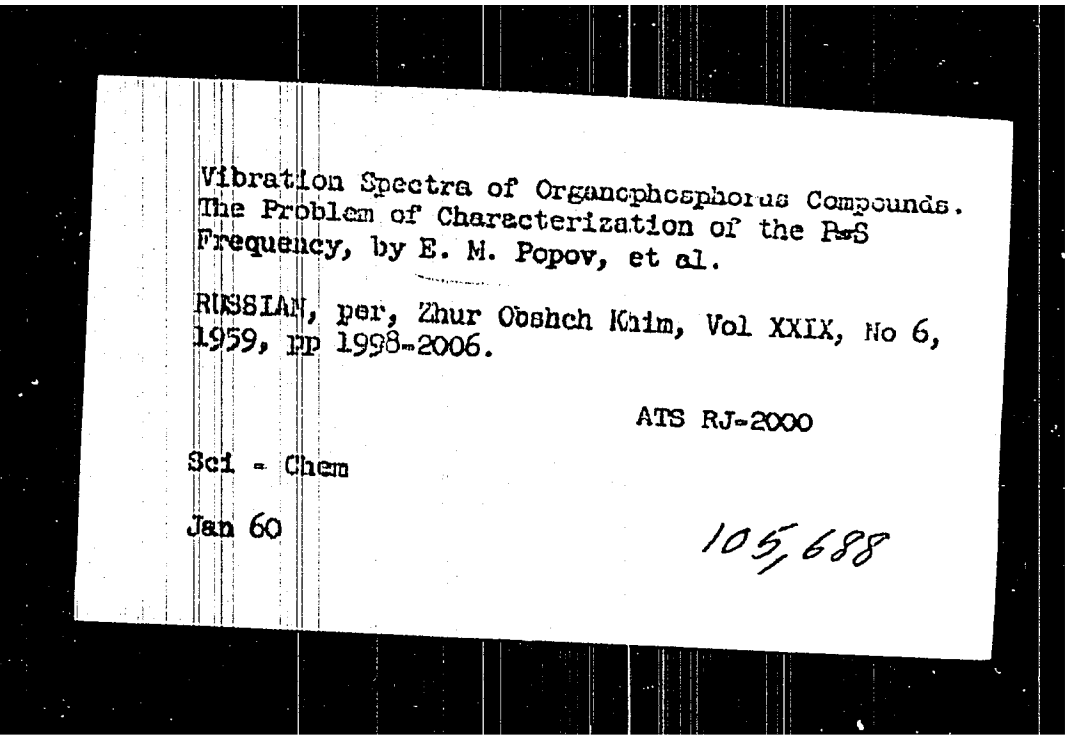

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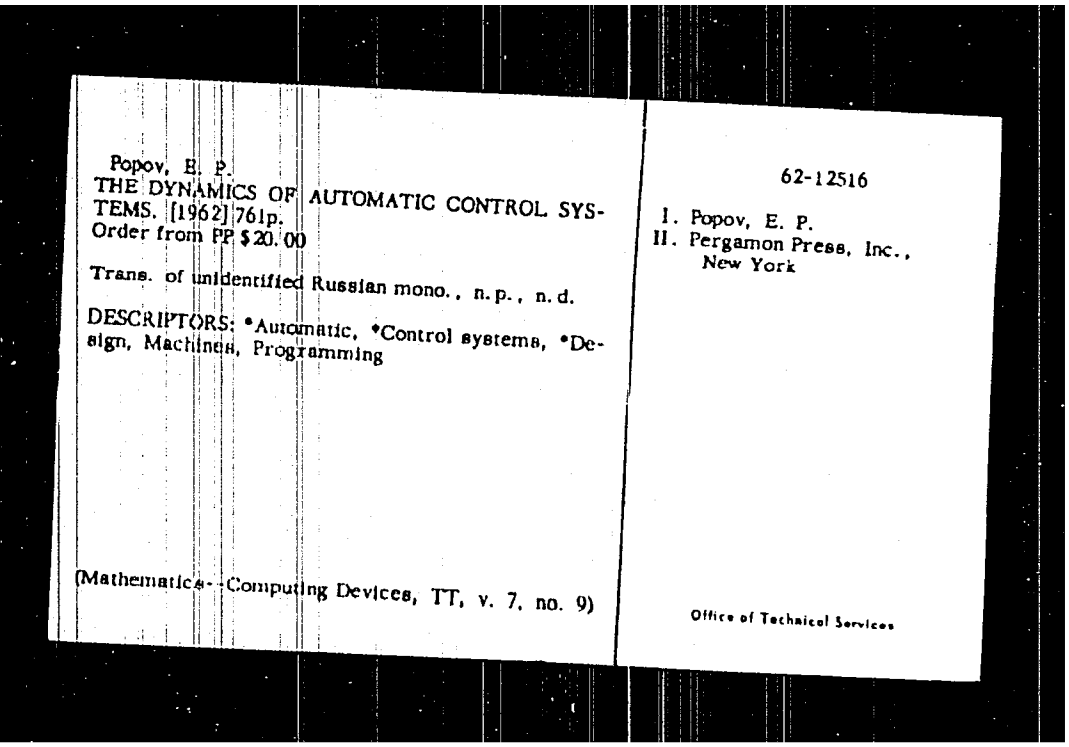

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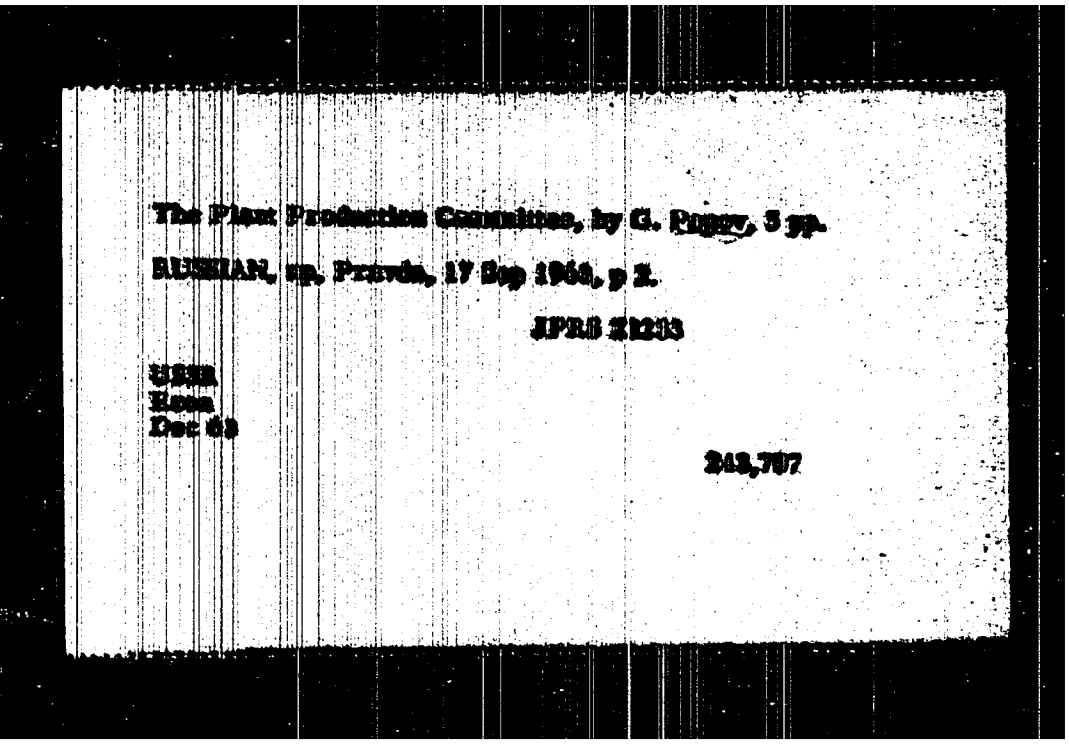

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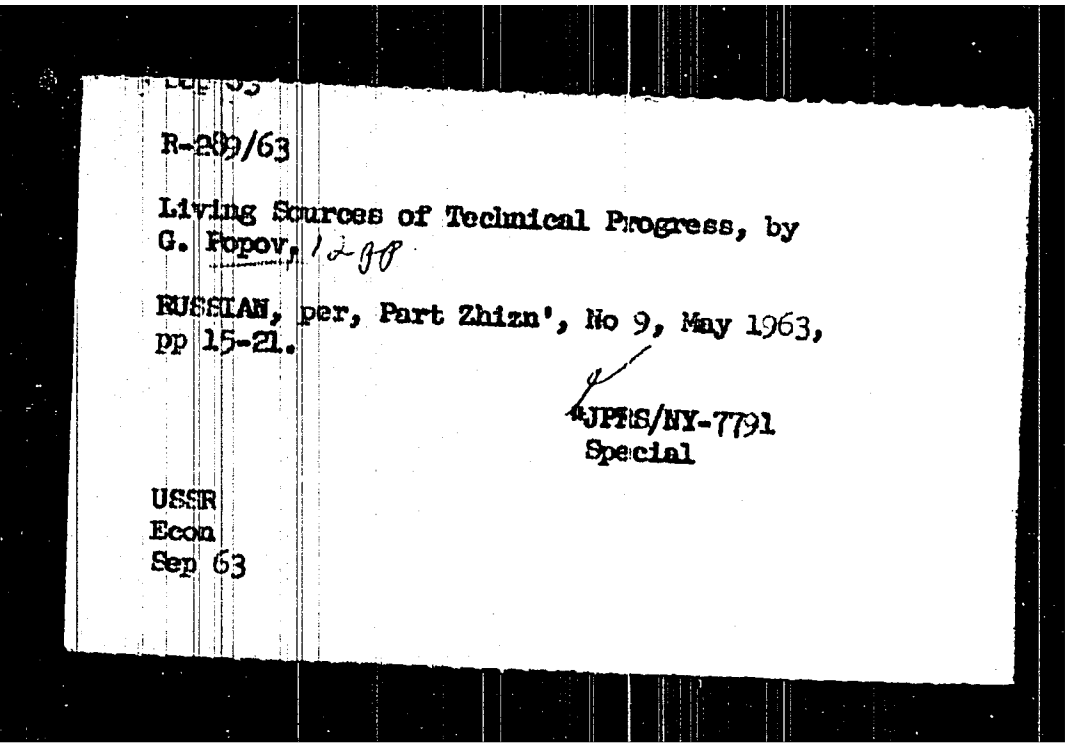

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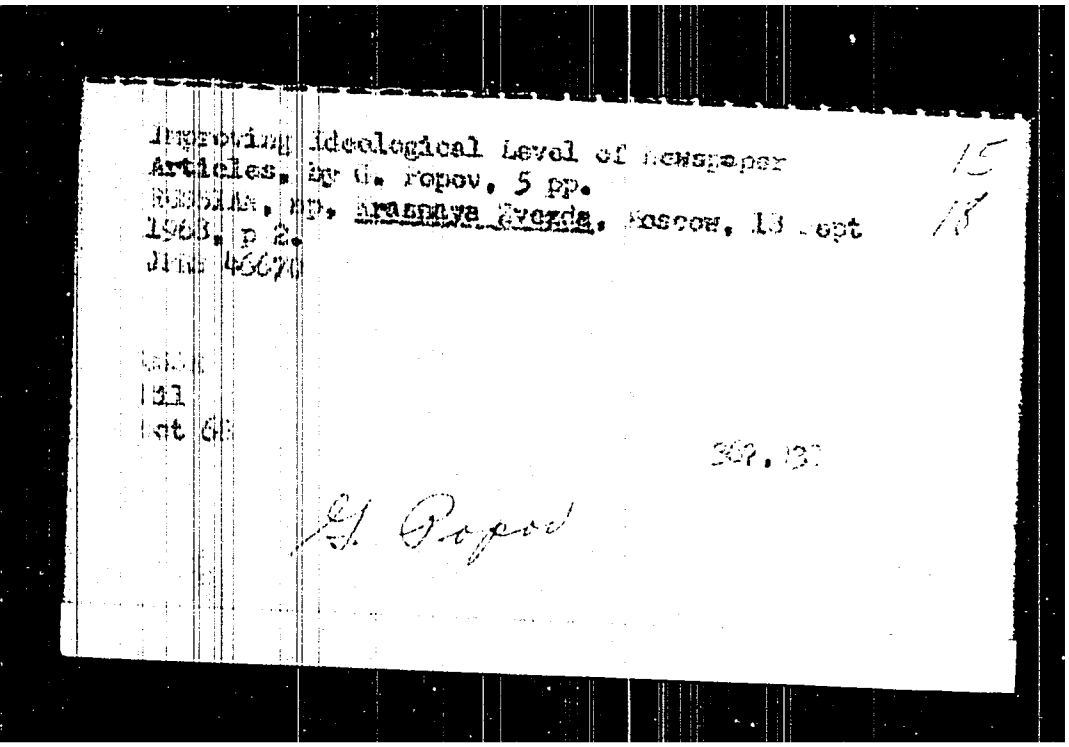

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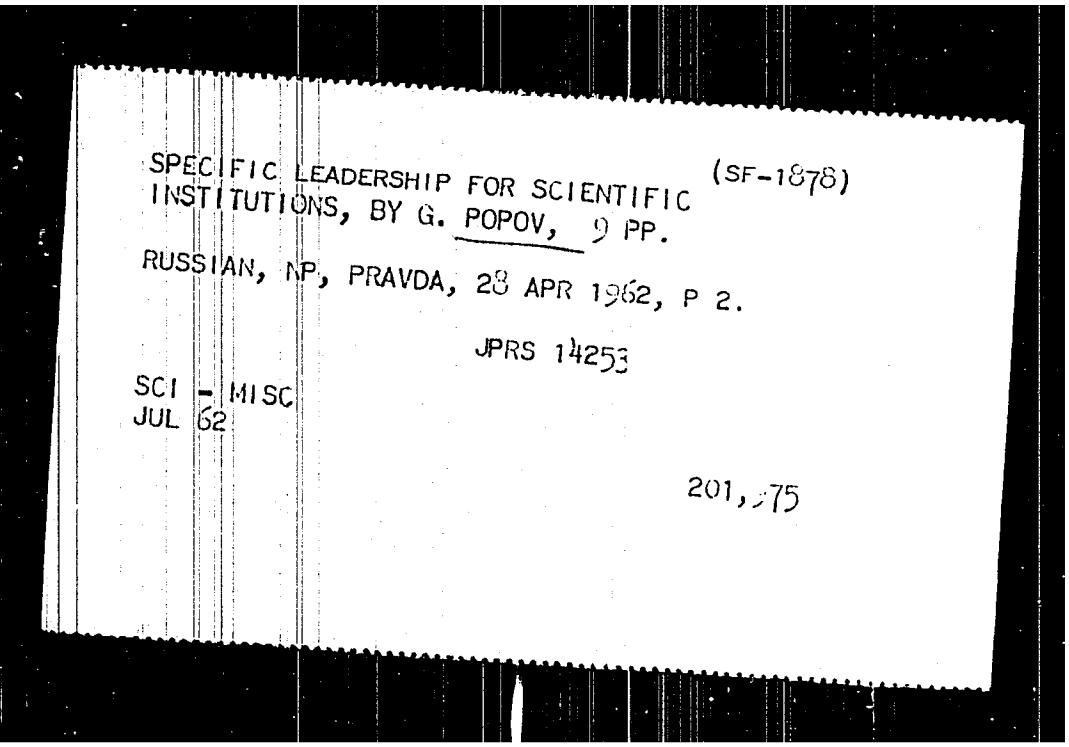

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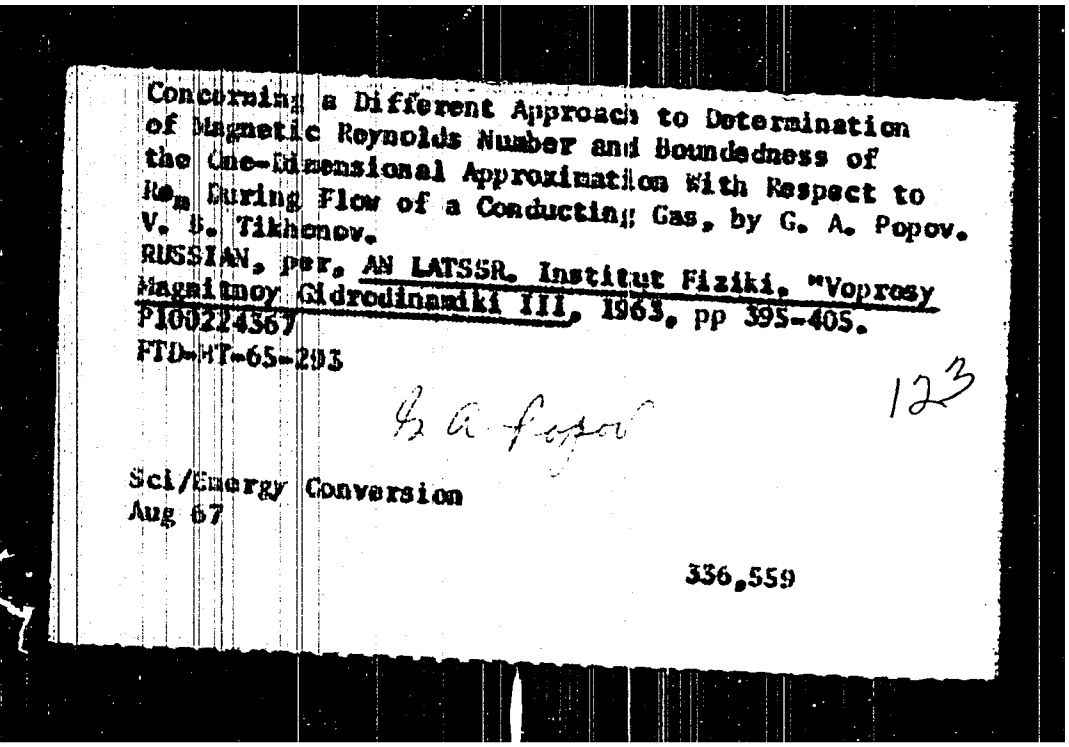

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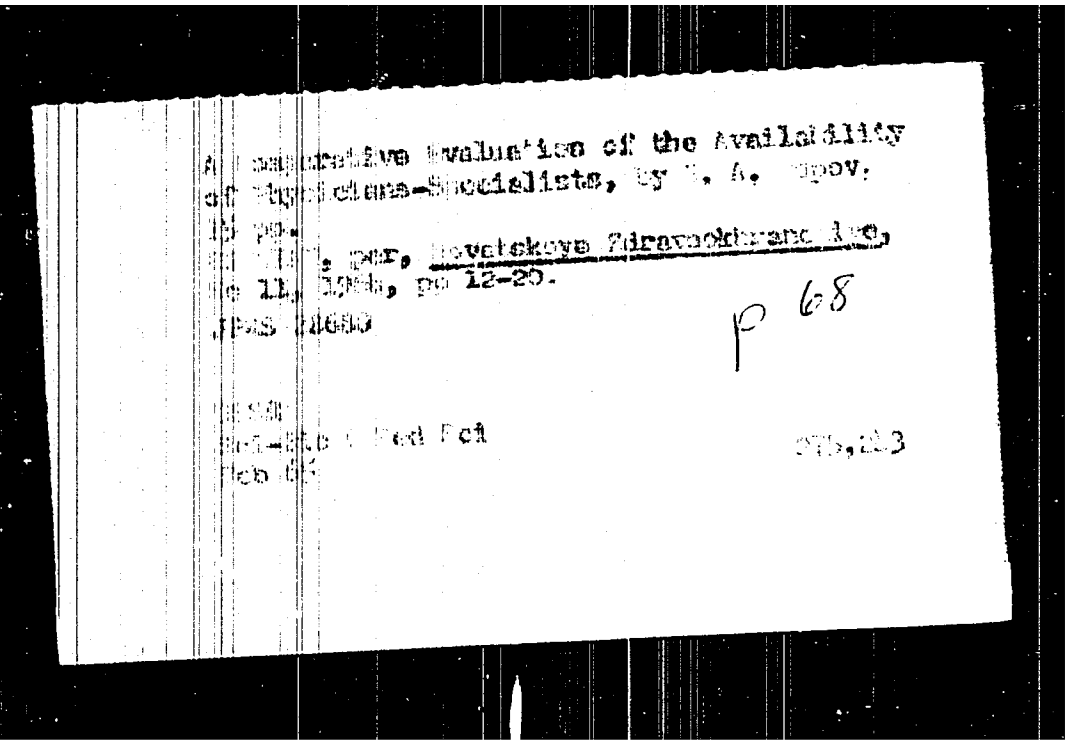

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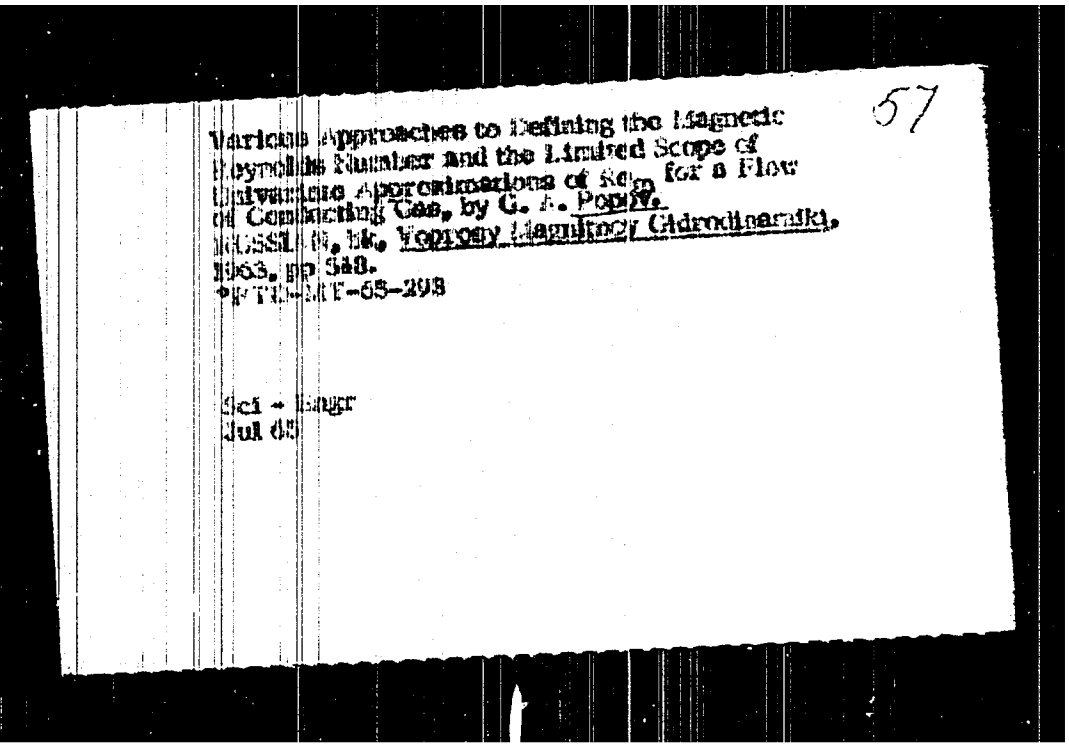

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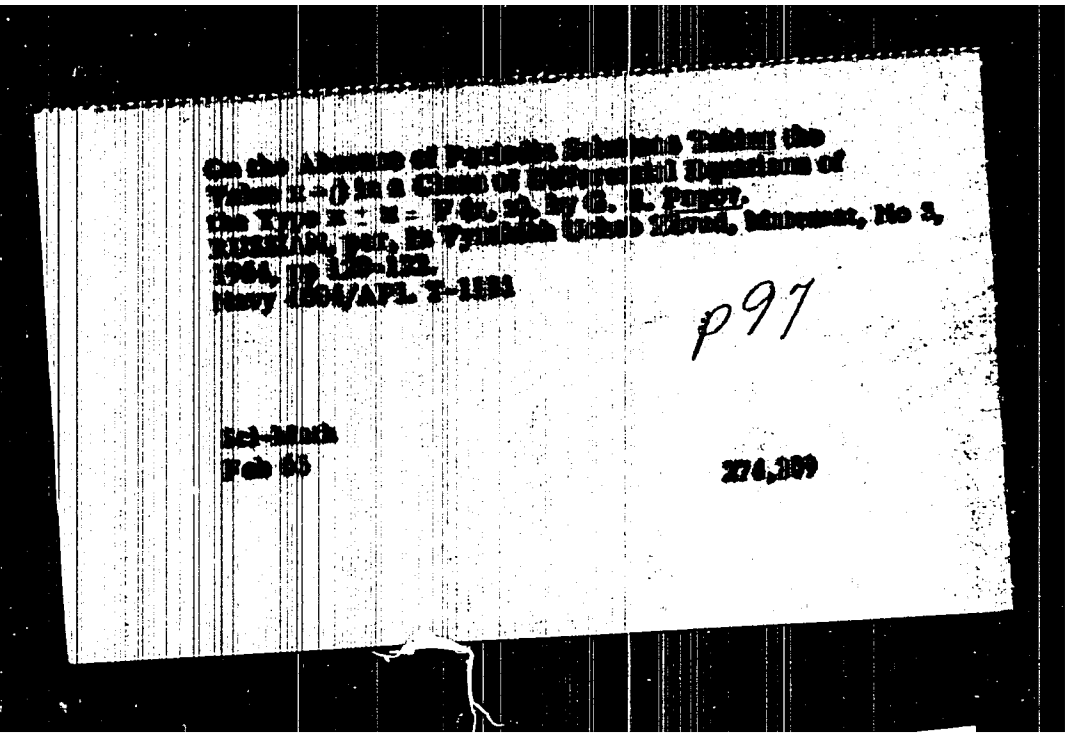

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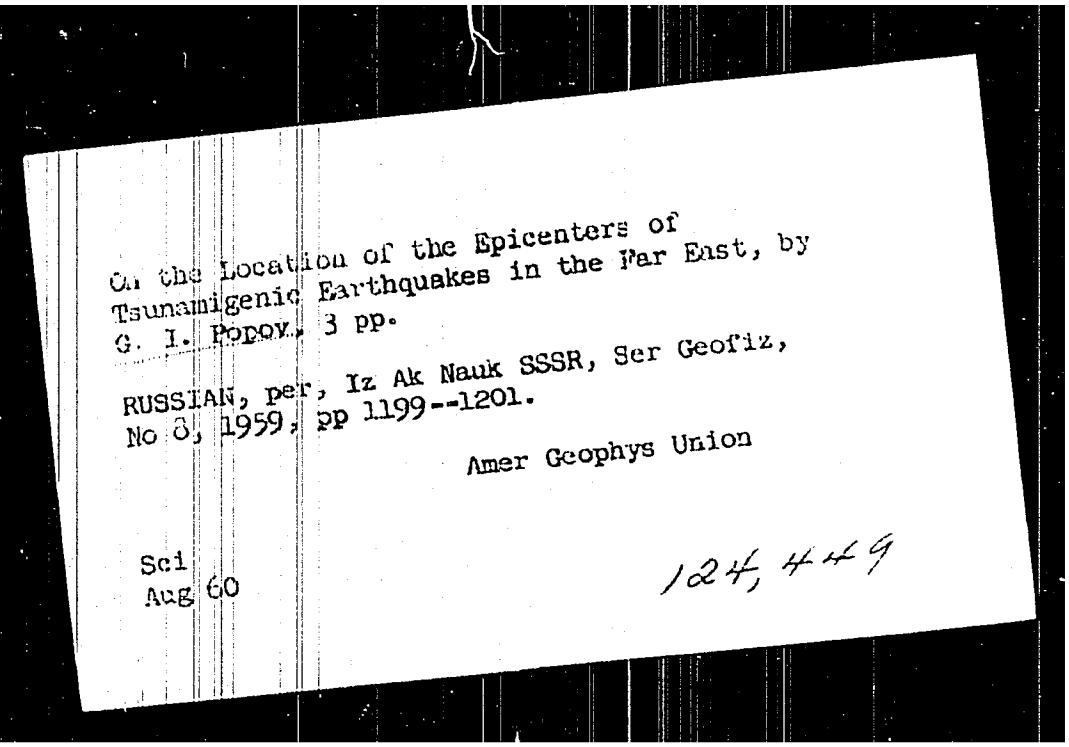

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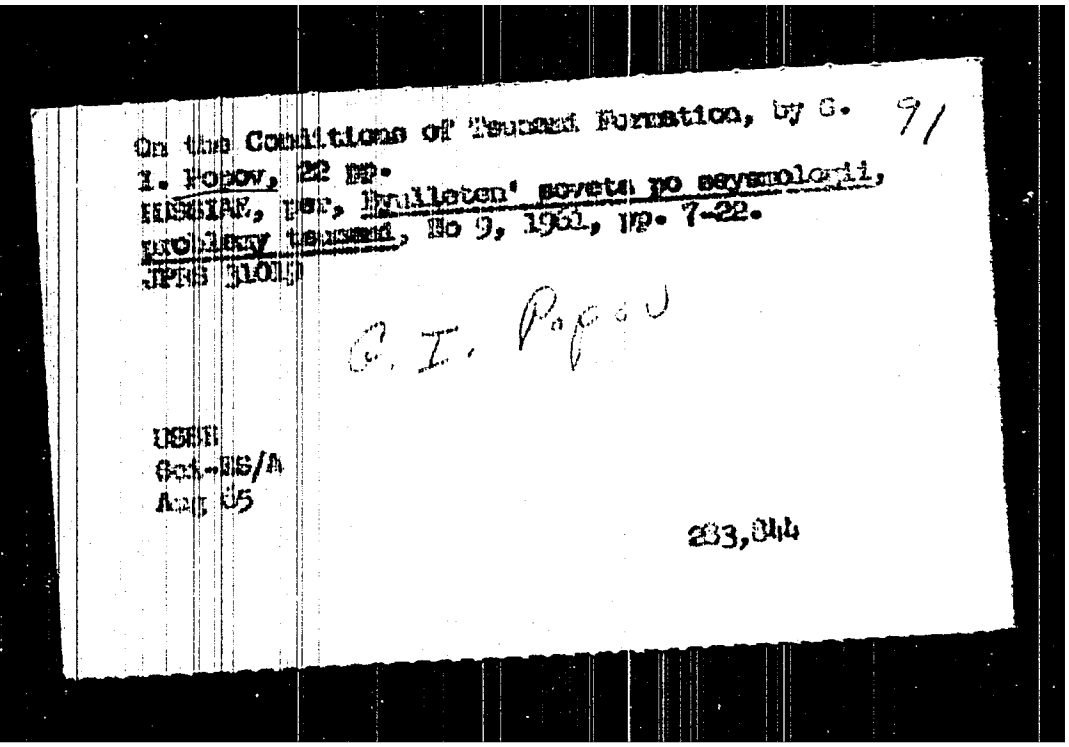

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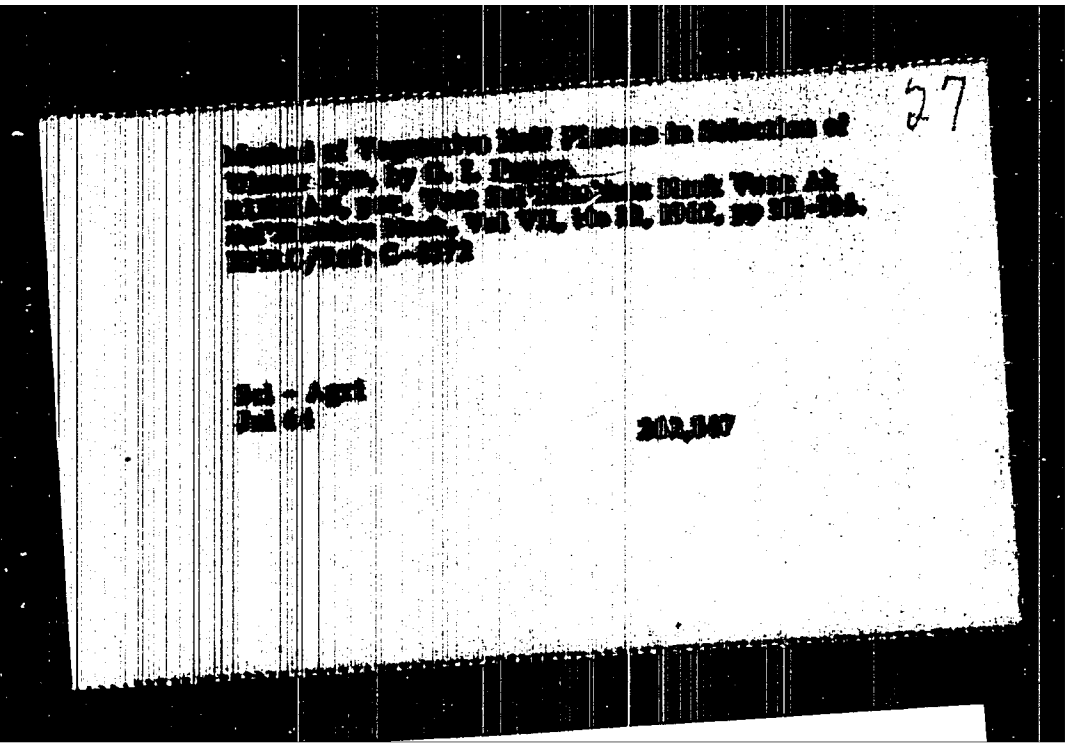

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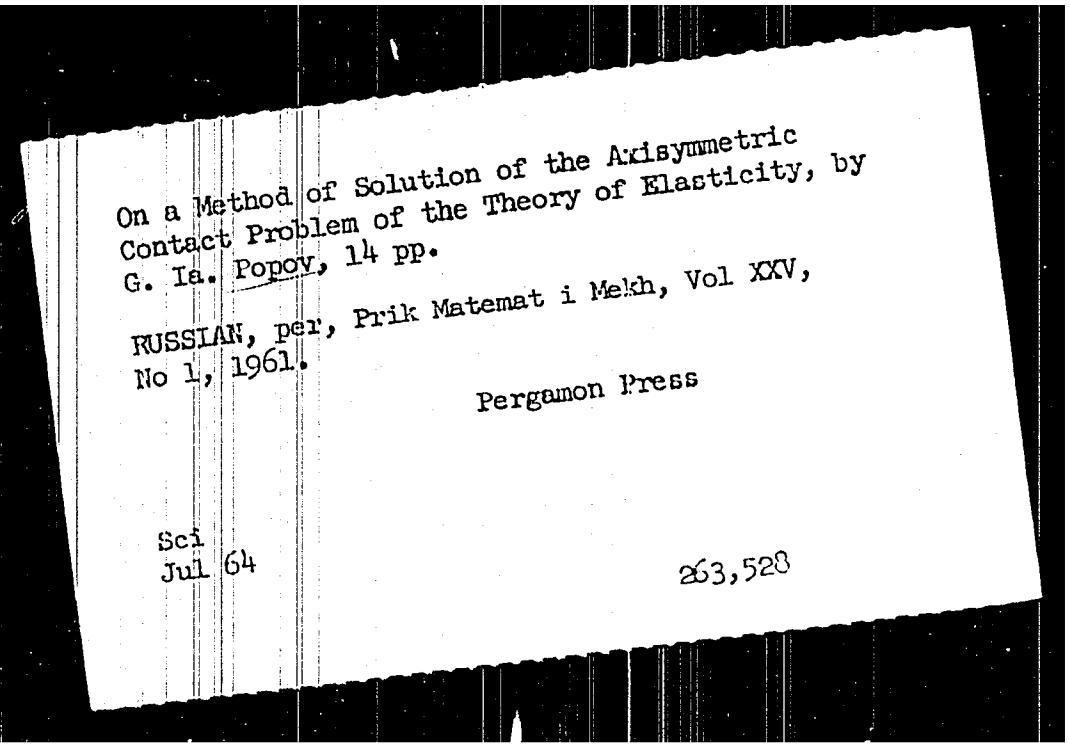

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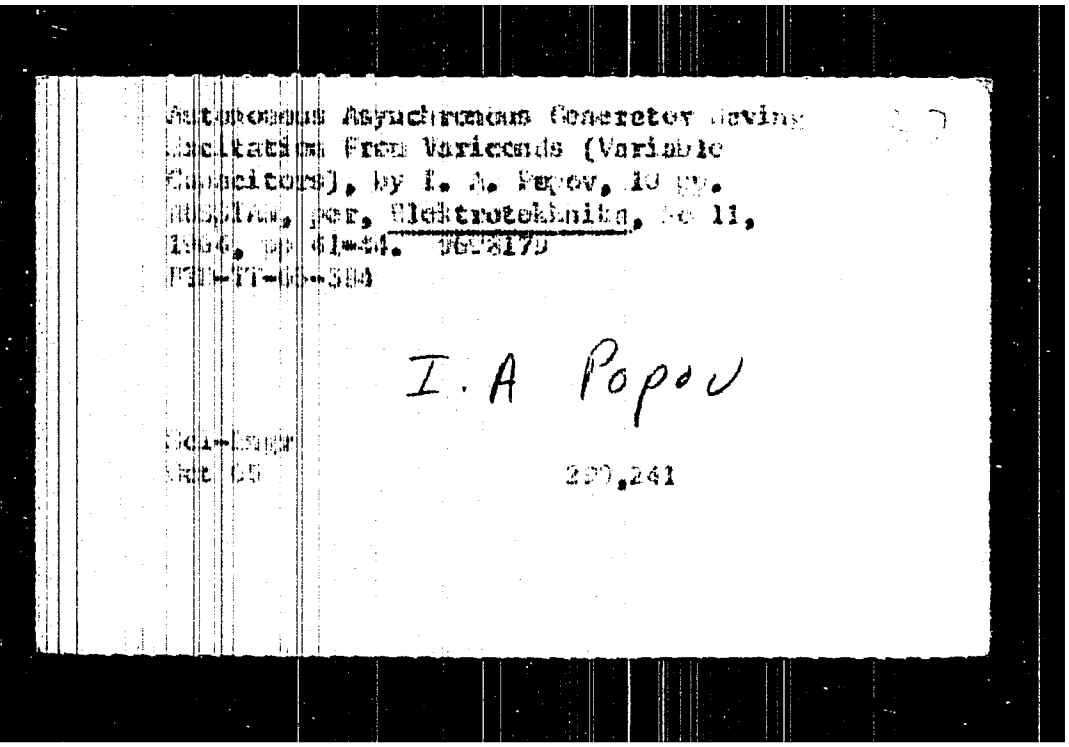

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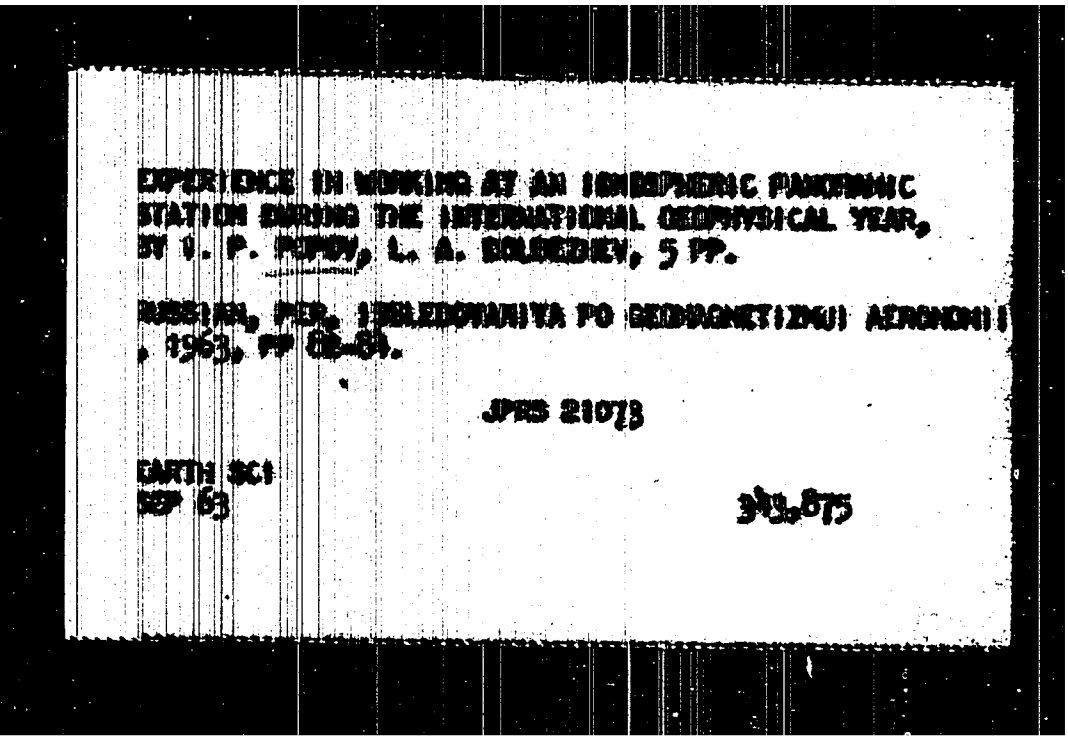

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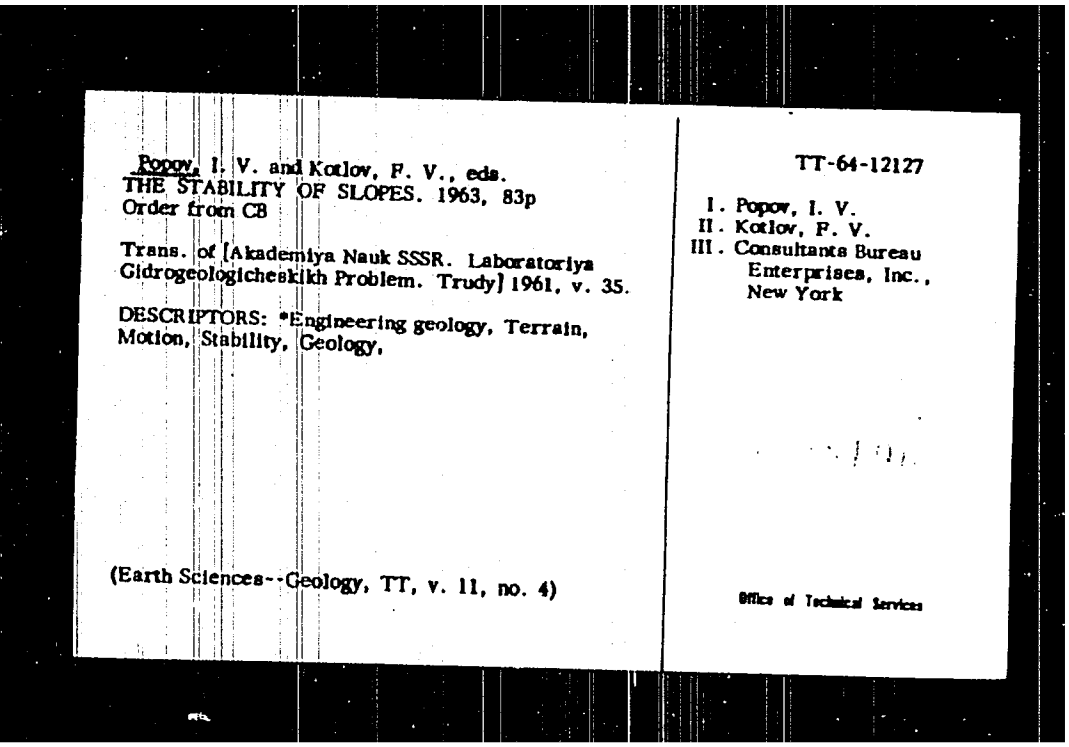

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TT-64-12127

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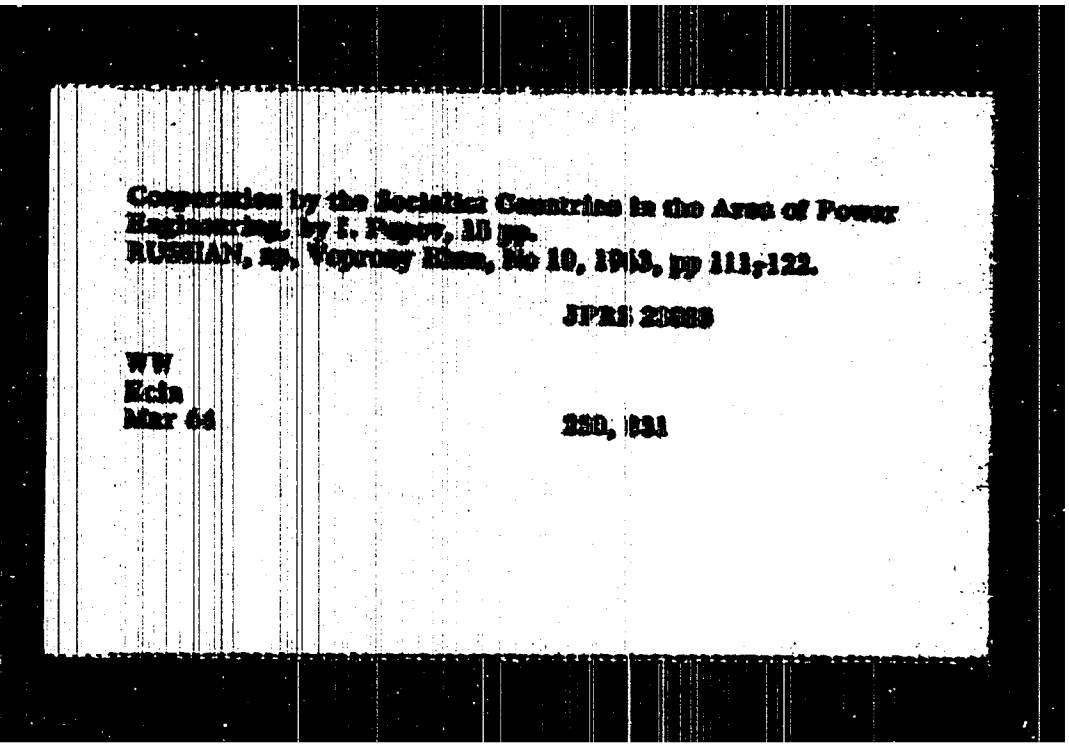

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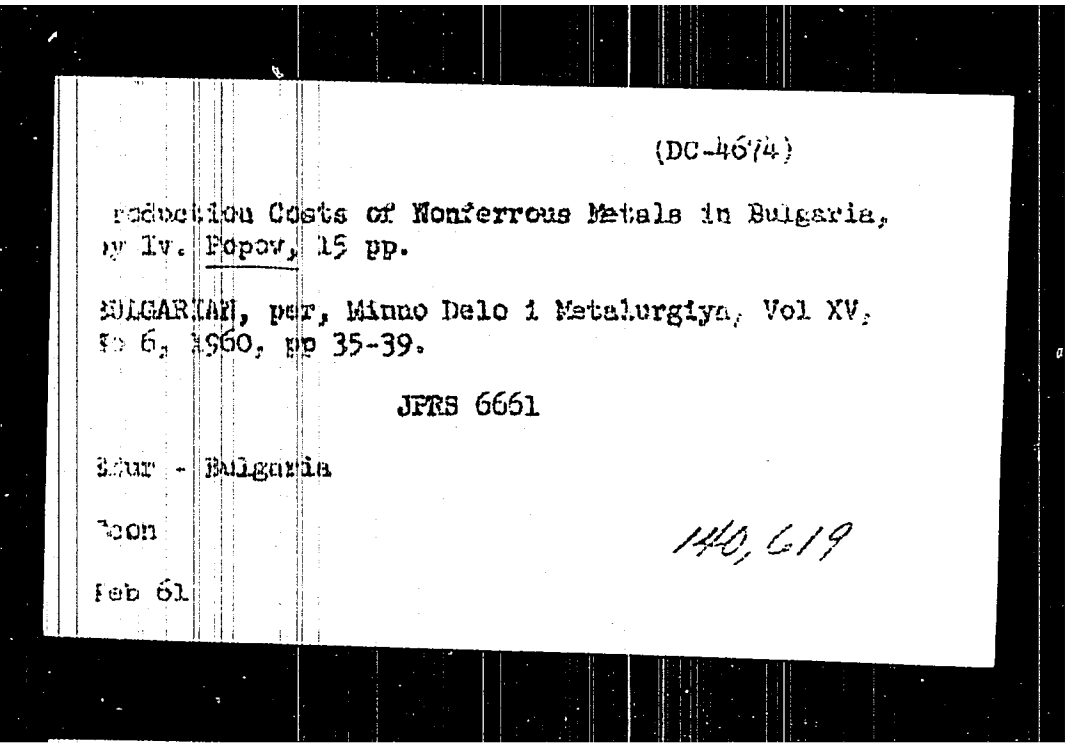

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